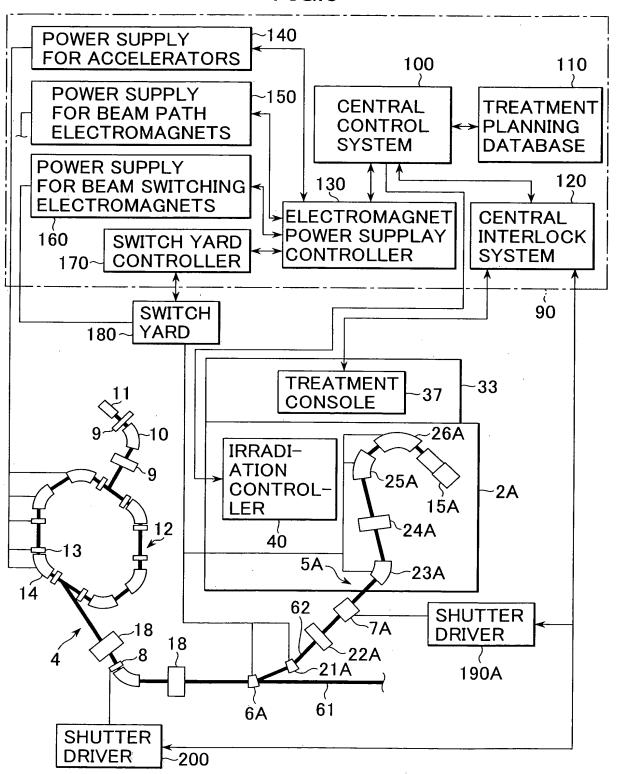
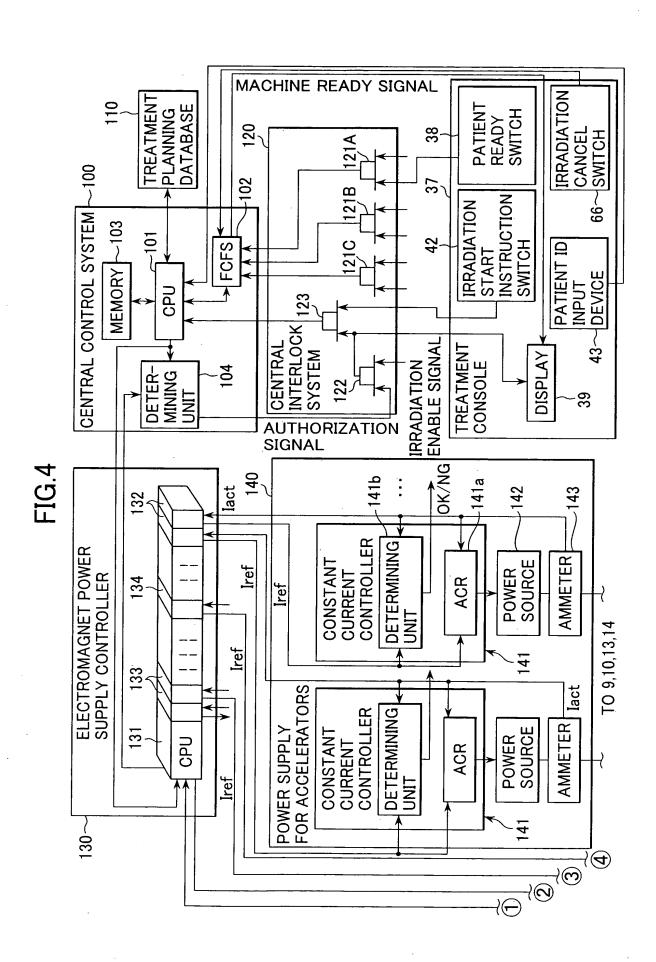
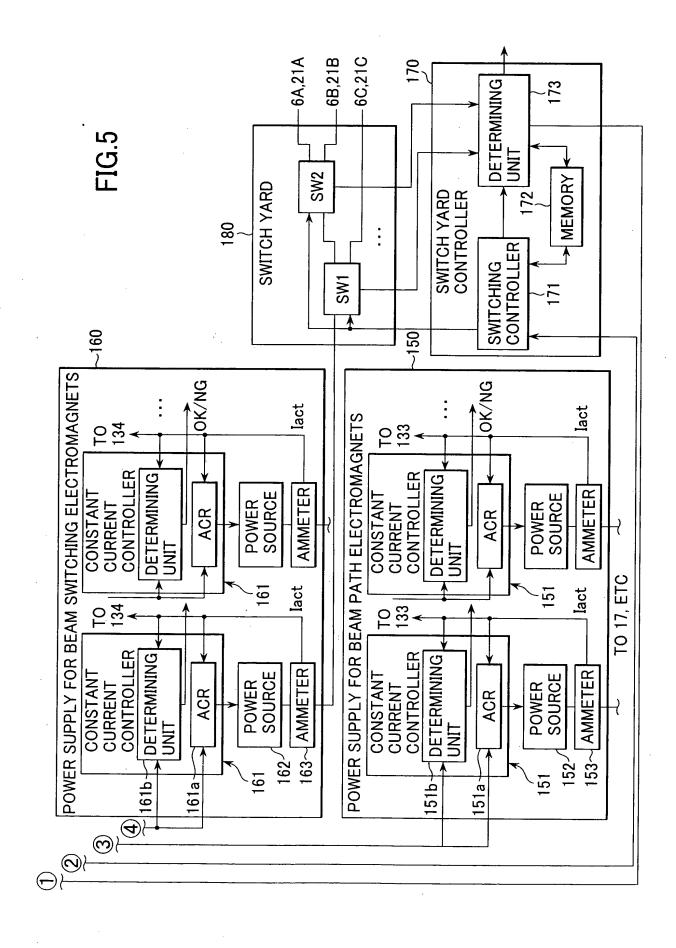


FIG.3







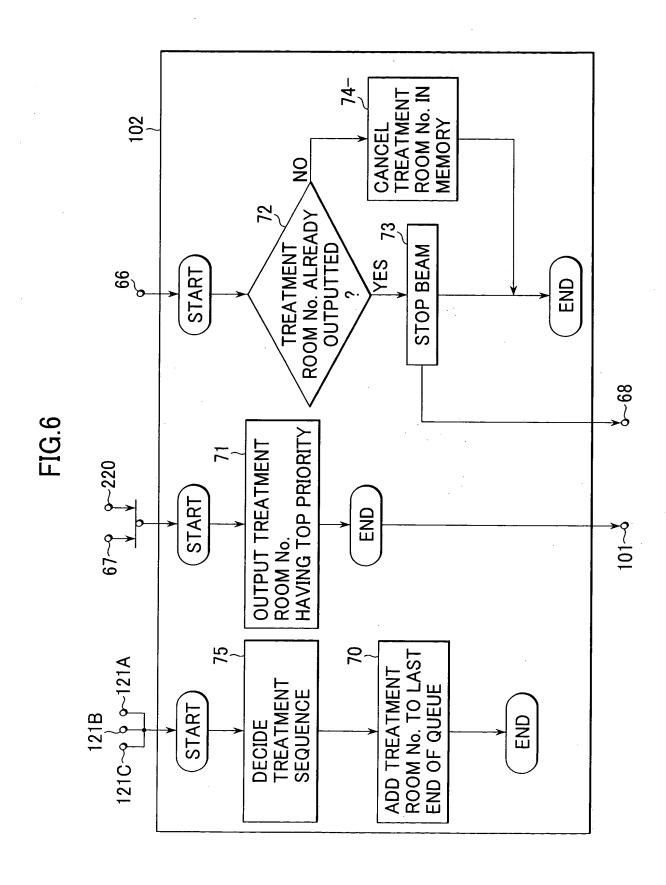


FIG 7

PATIENT DATA

(No.1) 70Mev
650098

FIG.8

GB: BENDING ELECTROMAGNET

GQ: QUADRUPOLE ELECTROMAGNET

			C	OMMC	N		
ENERGY (MeV)	BEFORE ACCELE	RATION	SYN	CHROT	ron	AFTER ACCELE	RATION
	GB10	GQ9	GB14	GQ13	GQ13	GB17	GQ18
70			Pa	attern	70		
80			Pa	attern (80		
90			Pa	attern !	90	•••	
:	•••	•••		:		:	:
				:		:	:
				:		:	:

ENERGY (MeV)	No.1 TREAT ROOM	TMENT 2A	No.1 to No.2	No.2 TREAT ROOM	ΓΜΕΝΤ 2B	No.2 to No.3	No.3 TREAT ROOM	
	GQ22A	GQ24A	GQ19	GQ22B	GQ24B	GQ20	GQ22C	GQ24C
70				•••			•••	
80			•••				•••	
90		•••		•••				
:	:	:	:	:	:	:	÷	:
:	:	:	:	•	:	:	:	:
:	:	:	:	•	:	:	:	:

ENERGY (MeV)	No.3 to No.4	No.4 TREAT- MENT ROOM 3	SWITCHING POWER SOURCE 162-1	SWITCHING POWER SOURCE 162-2	SWITCHING POWER SOURCE 162-3	POWER SOURCE
	GQ27	GQ28	102-1	102-2	102-3	162-4
70	• • •	•••	• • •	•••		•••
80	• • •		•••		•••	• • •
90			•••	• • •		
:	:	:	:	:	:	:
	:	:	:	:	:	:
:	:	:	:.	:		÷

FIG.9

GB : BENDING ELECTROMAGNET

GQ: QUADRUPOLE ELECTROMAGNET

			С	ОММО	N		
TREAT- MENT ROOM No.	BEFORE ACCELE	: RATION	SYN	CHROT	ron	AFTER ACCELE	RATION
. 13 3 11 11 3	GB10	GQ9	GB14	GQ13	GQ13	GB17	GQ18
1							
2	ON.						
3	ON						
4			_				

TREAT- MENT ROOM No.	No.1 TREAT ROOM	2A	No.1 to No.2	No.2 TREAT ROOM	—	No.2 to No.3	No.3 TREAT ROOM	
1.001/110.	GQ22A	GQ24A	GQ19	GQ22B	GQ24B	GQ20	GQ22C	GQ24C
1	0	N		No (Care			
2	No C	Care	ON	0	N	No Care		
3	No C	Care	ON	No (Care	ON	0	N
4	. No C	Care	ON	No (Care	ON	No (Care

TREAT- MENT ROOM No.	No.4	ROOM 3	SWITCHING POWER SOURCE 162-1		SWITCHING POWER SOURCE 162-3	SWITCHING POWER SOURCE 162-4
	GQ27	GQ28			4	
1						
2						
3	No	Care		O	IN	
4	ON	ON				

GB : BENDING ELECTROMAGNET GQ : QUADRUPOLE ELECTROMAGNET

SYNCHROTRON AFTER TREMENT ROOM ACCELERATION 2A

GQ18 GQ22A GQ24A :

GB17

GB14 GQ13 GQ13 Pattern 70

)	
	BEFORE ACCELERATION	6D5	•••
	BEFORE ACCELE	GB10 GQ9	•••
	ENERGY	<u>:</u>	:
	70Mev		
TOCAT	No.1		
	:		
	PATIENT DOSE MENT ID No.		620098

	Τ	
No.4 TREAMENT ROOM 3	GQ28	No Care
No.3 to No.4	GQ27	No Care No Care
No.3 TREATMENT ROOM 2C	GQ22C GQ24C	No Care
No.3 TREAT ROOM	GQ22C	No Care
No.2 to No.3	GQ20	No Care
Vo.2 FREATMENT ROOM 2B	GQ24B	Care No Care
No.2 TREATME ROOM 2B	GQ22B	No Care
No.1 to No.2	GQ19	No Care

R

:	:	:	•••	•••	
:	SWITCHING POWER SOURCE 162-4	SWITCHING SWITCHING SWITCHING POWER POWER SOURCE SOURCE SOURCE 162-1 162-3 162-4	SWITCHING POWER SOURCE 162-2	SWITCHING POWER SOURCE 162-1	

R

FIG.11

GB: BENDING ELECTROMAGNET

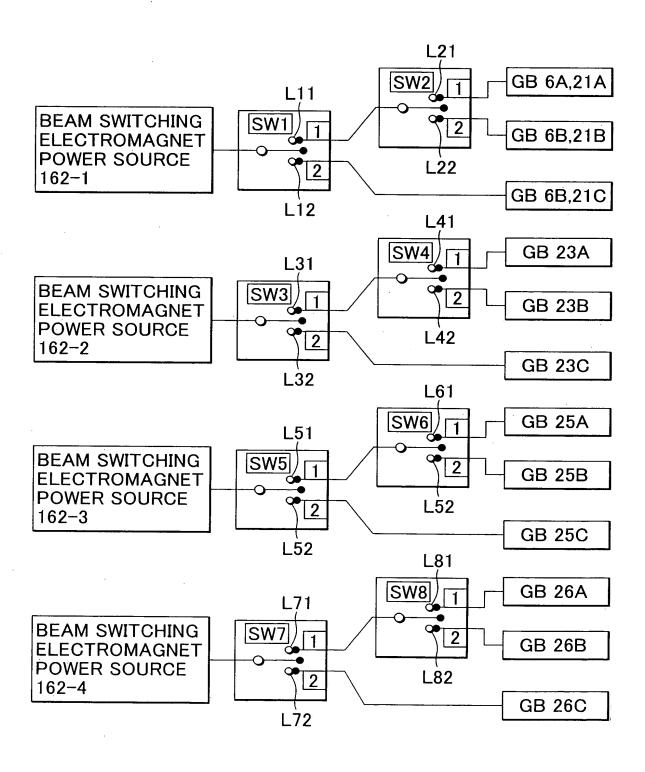


FIG.12

TREATMENT				SWITCH No.	H No.			
ROOM No.	-	2	3	7	5	9	7	8
-	1	1	-		_	-	-	-
2	1	2	ļ	2		2	-	2
က	2	No Care	2	No Care	2	No Care	2	No Care
4	No Care	No Care	No Care No Care No Care No Care No Care	No Care	No Care	No Care	No Care	No Care

ROOM 2A AFTER ACCELERATION GQ 18 GB17 GB14 GQ13 GQ13 SYNCHROTRON Pattern 70 COMMON ACCELERATION 605 05 BEFORE GB10 **KEFERENCE CONFIGURATION DATA>** TREATMENT ENERGY ROOM No. 70Mev <mark>У</mark> PATIENT DOSE 650098 ID No.

<u>©</u> GQ22A GQ24A No.1 TREMEN TREATMEN No Care GQ28 SOURCE 162-1 SOURCE 162-2 SOURCE 162-3 SOURCE 162-4 ROOM 3 SWITCHING POWER No.4 No Care No.1 to No.2 TREAMENT No.2 to No.3 TREATMENT No.3 to No.2 ROOM 2B No.3 ROOM 2C No.4 GQ27 SWITCHING POWER GQ19 | GQ22B | GQ24B | GQ20 | GQ22C | GQ24C SWITCHING POWER SWITCHING POWER α GQ: QUADRUPOLE ELECTROMAGNET GB: BENDING ELECTROMAGNET

FIG. 13

FIG.14

MON ROTRON AFTER No.1 TREMENT ROOM 2A ROOM 2A ROOM 2A ROOM 2C No.3 to REATMENT No.3 TREATMENT No.4 ROOM 3 GQ22C GQ24C GQ27 GQ28 G(≒0) f(≒0) g(≒0) h(≒0) G(≒0) h(≒0) H(≒0) GOMER I62−2 SOURCE 162−3 SOURCE 162−4		4 6		
MMON ROTRON AFTER ROTRON ACCELERATION 113 GQ13 GB17 GQ18 INO.3 TREATMENT No.3 to ROOM 2C GQ22C GQ24C GQ27 e(≒0) f(≒0) g(≒0) VG SWITCHING SWIT POWER 162-2 SOURCE 162-3 SOUF	No.1 TREME	GO22A GO22A No.4 TREATA	GQ28 h(≒0) CHING ER 3CE 162-4	
COM BEFORE SYNCHF ACCELERATION SYNCHF GB10 GQ9 GB14 GQ Patte No.2 TREATMENT No.2 to ROOM 2B NO.3 GQ22B GQ24B GQ20 b(≒0) c(≒0) d(≒0) SWITCHING SWITCHIN POWER POWER SOURCE 162-1 SOURCE	COMMON	SYNCHROTRON ACCELERATION GB14 GQ13 GQ13 GB17 GQ18 Pattern 70 No.2 to No.3 TREATMENT No.3 to No.3	GQ24B GQ20 GQ2; c(≒0) d(≒0) e(≒ 	
ACTUAL CONFIGURATION DATA> (BEFORE ACCELERA GB10 (GB10 (GB1	(@	No.2	VET (GQ19 C	

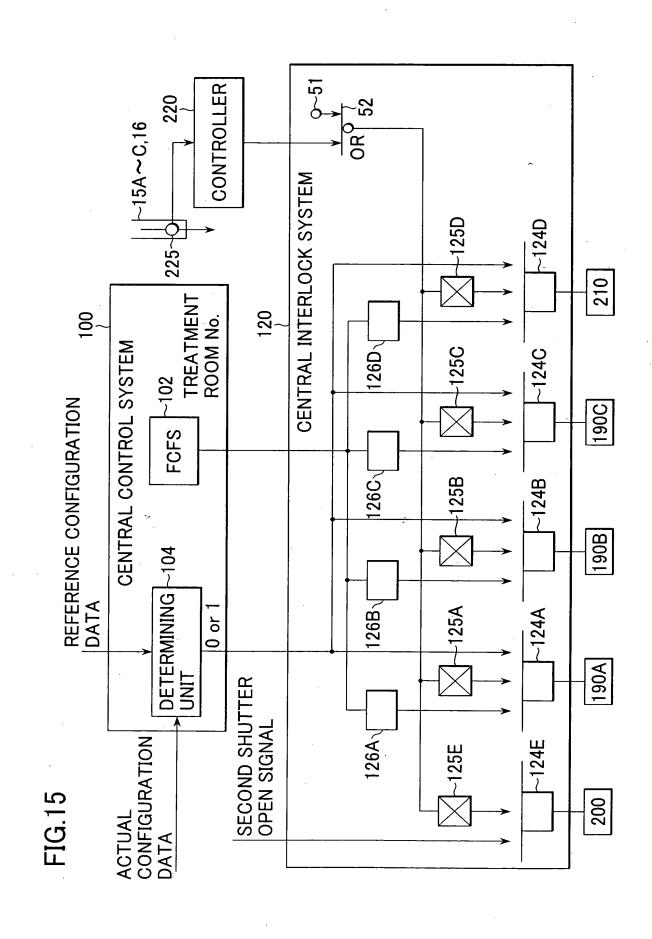
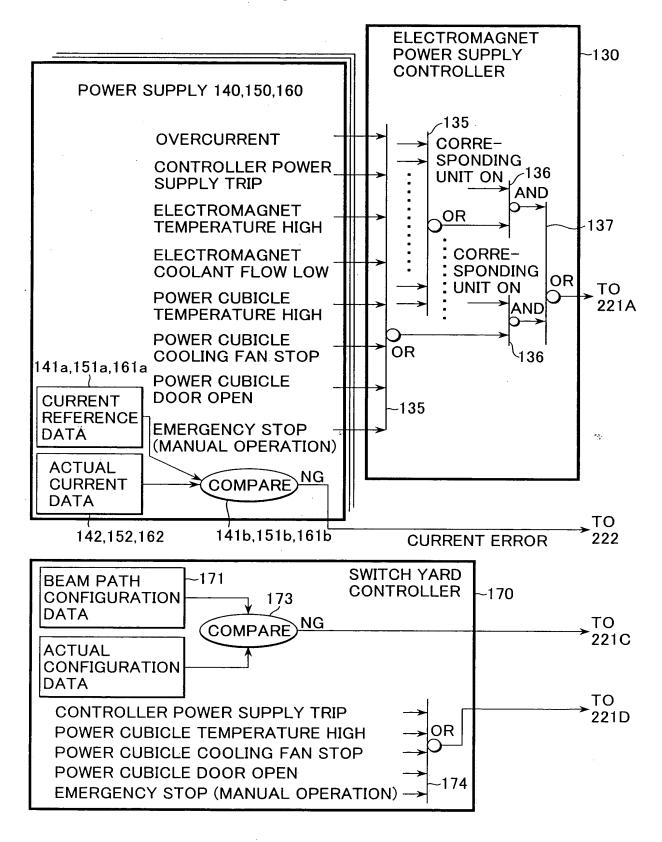
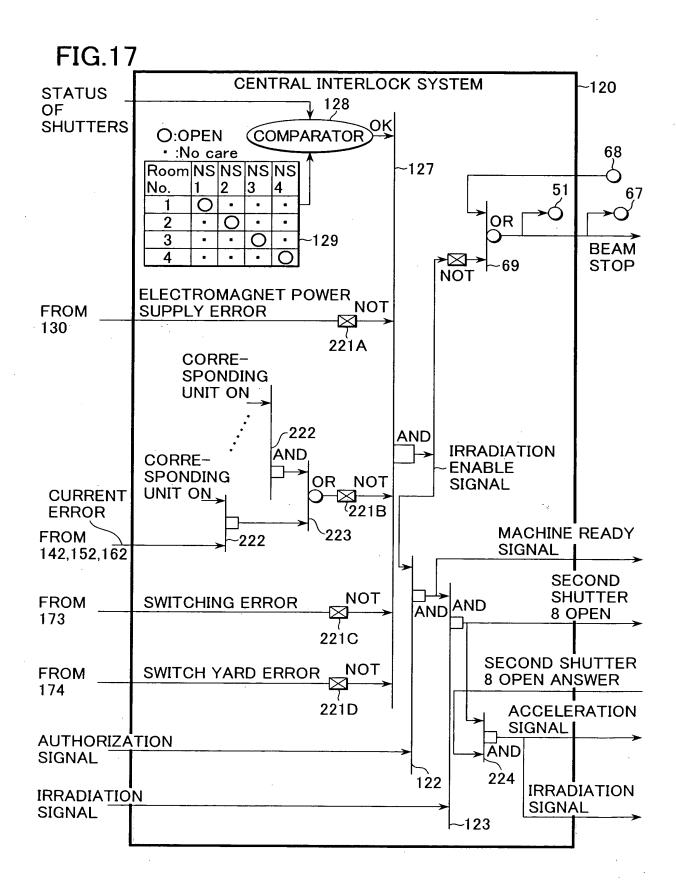
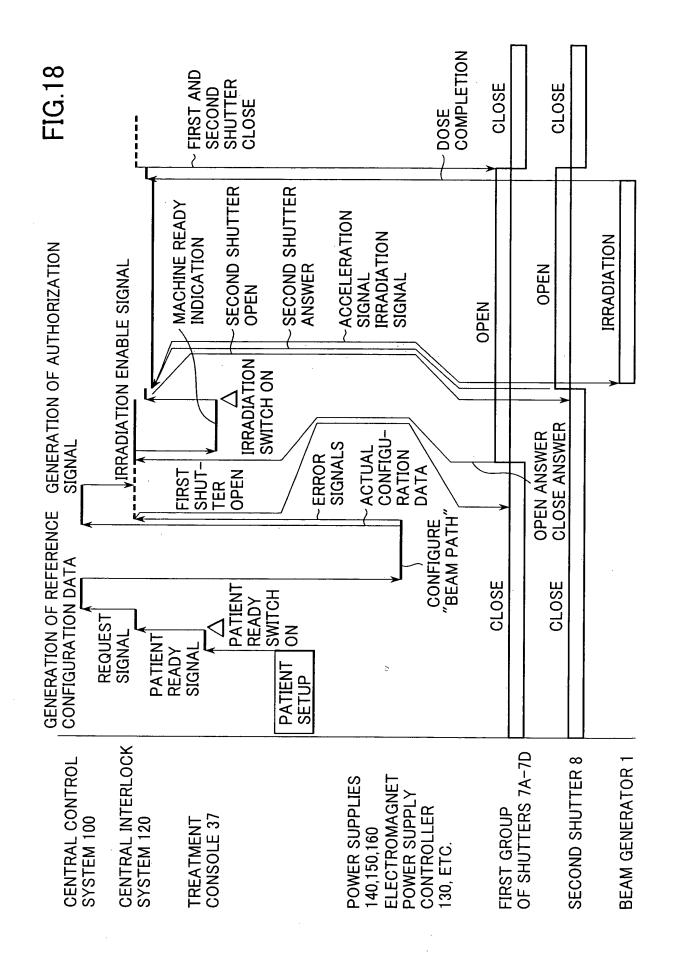


FIG.16







GB 26C GB 26A GB 26B GB: BENDING ELECTROMAGNET **GB 25A** GB 25B **GB 25C** GB 6B,21B GB 6B,21C **GB 6A,21A GB 23A** GB 23C GB 23B L22 L42 **L21** SW4 **SW2**) L31 SW3 SW1 BEAM SWITCHING ELECTROMAGNET POWER SOURCE ELECTROMAGNET POWER SOURCE 162-2 **BEAM SWITCHING** 162 - 1